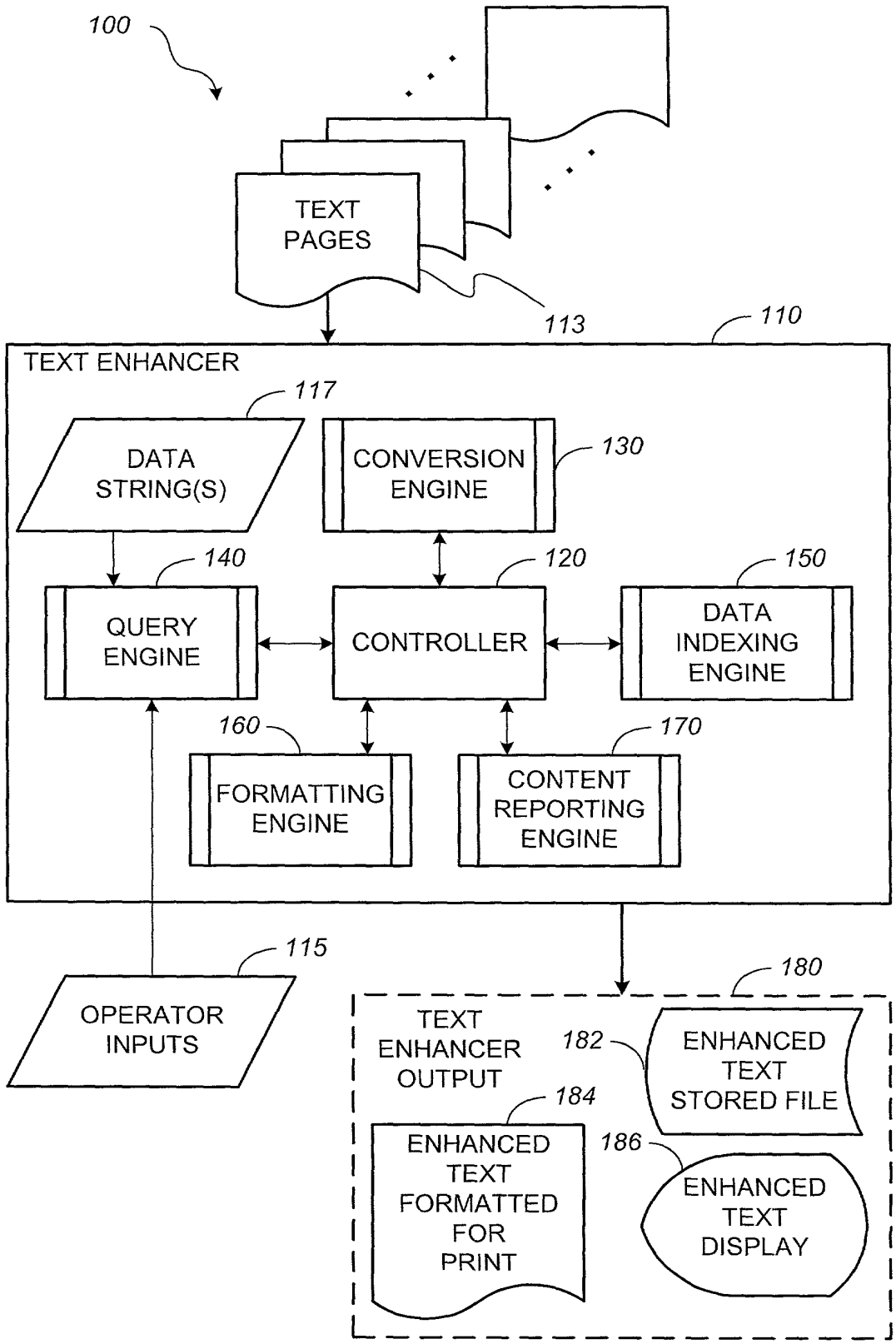
100
TEXT PAGES
113
110
TEXT ENHANCER
117
DATA STRING(S)
CONVERSION ENGINE
130
140
120
150
QUERY ENGINE
CONTROLLER
DATA INDEXING ENGINE
160
170
FORMATTING ENGINE
CONTENT REPORTING ENGINE
115
OPERATOR INPUTS
180
TEXT ENHANCER OUTPUT
182
ENHANCED TEXT STORED FILE
184
186
ENHANCED TEXT FORMATTED FOR PRINT
ENHANCED TEXT DISPLAY

FIG. 1

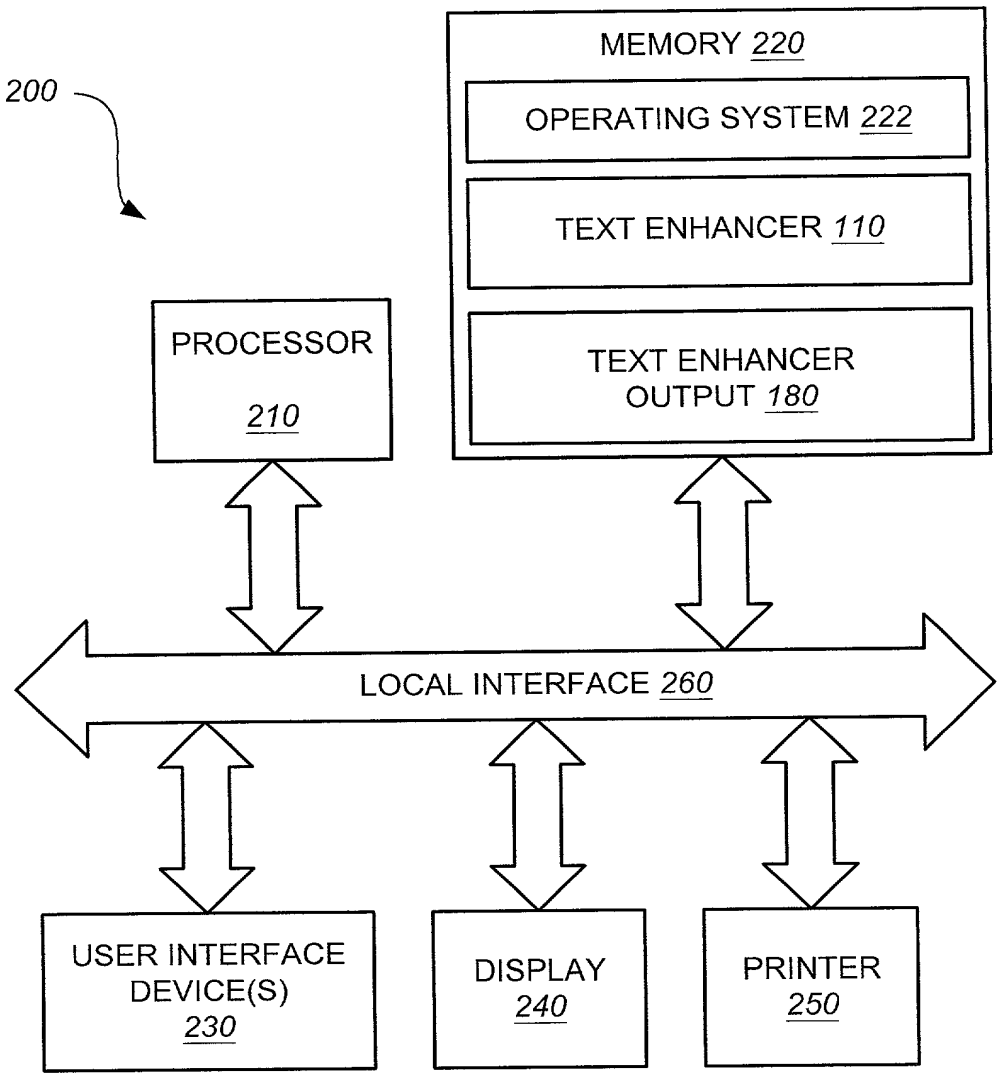
200
MEMORY 220
OPERATING SYSTEM 222
TEXT ENHANCER 110
TEXT ENHANCER OUTPUT 180
PROCESSOR 210
LOCAL INTERFACE 260
USER INTERFACE DEVICE(S) 230
DISPLAY 240
PRINTER 250

FIG. 2

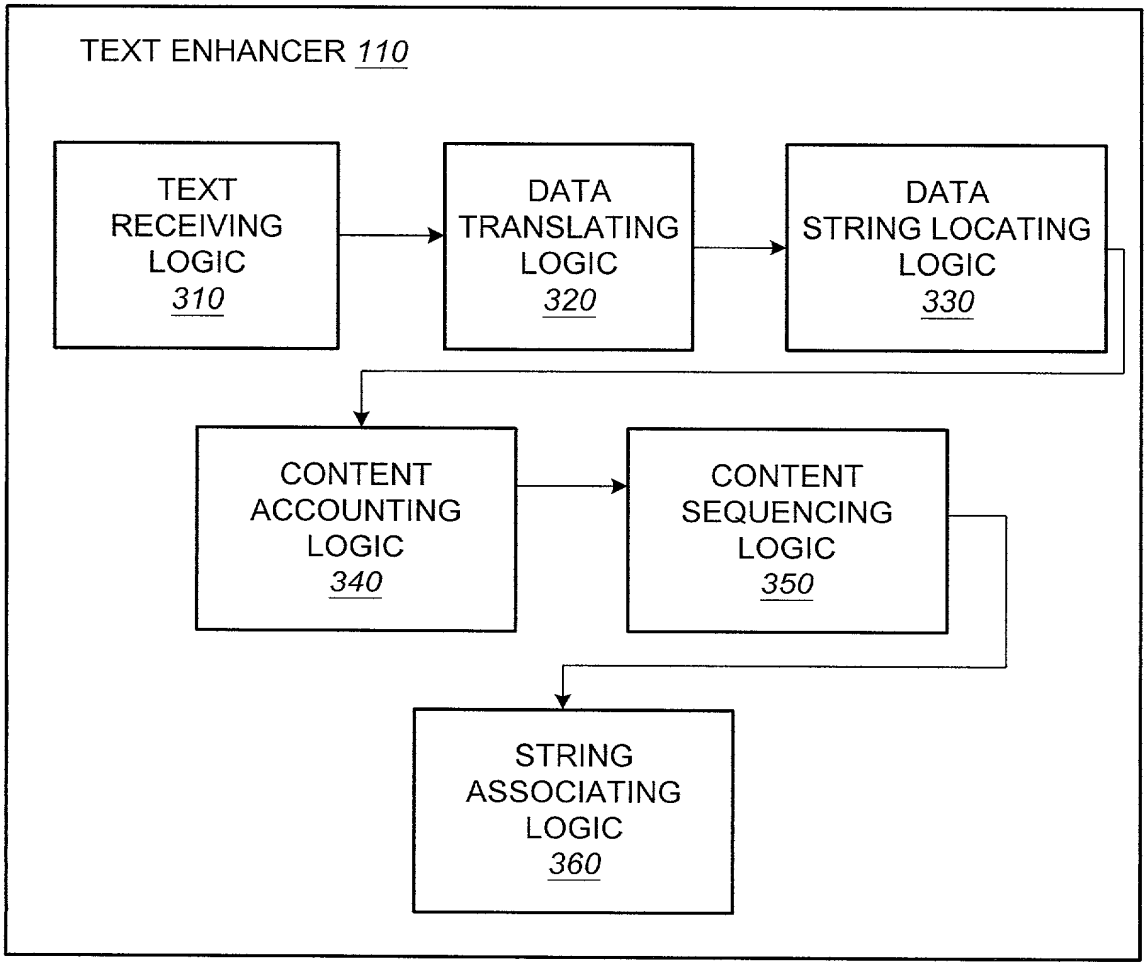
TEXT ENHANCER 110
TEXT RECEIVING LOGIC 310
DATA TRANSLATING LOGIC 320
DATA STRING LOCATING LOGIC 330
CONTENT ACCOUNTING LOGIC 340
CONTENT SEQUENCING LOGIC 350
STRING ASSOCIATING LOGIC 360

FIG. 3

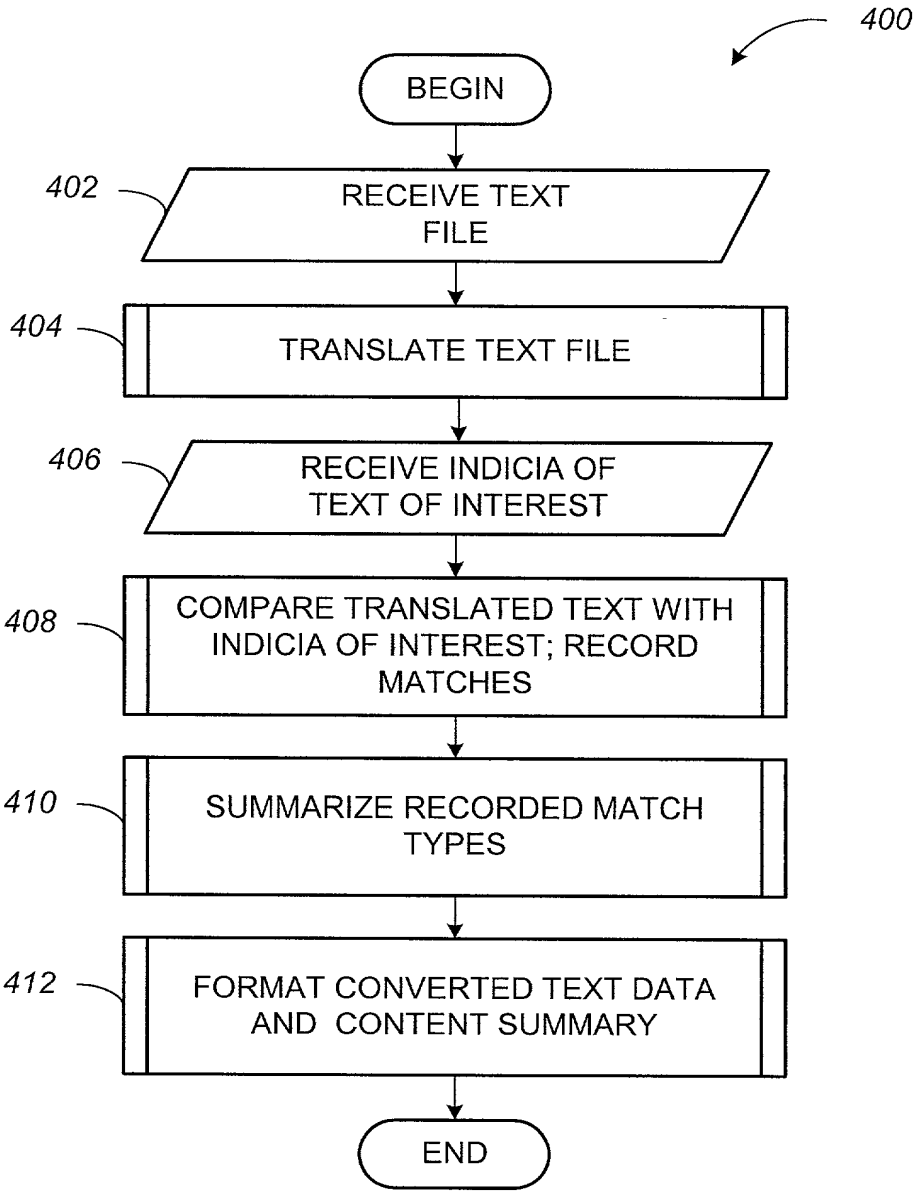
400
BEGIN
402
RECEIVE TEXT FILE
404
TRANSLATE TEXT FILE
406
RECEIVE INDICIA OF TEXT OF INTEREST
408
COMPARE TRANSLATED TEXT WITH INDICIA OF INTEREST; RECORD MATCHES
410
SUMMARIZE RECORDED MATCH TYPES
412
FORMAT CONVERTED TEXT DATA AND CONTENT SUMMARY
END

FIG. 4

113a

```
Checking tokens in file c:\5dx\ndf\7OFD1JL\PANEL.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\PACKAGE.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\LANDPAT.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\PADGEOM.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\ALGSLICE.NDF.
Checking tokens in file C:\5DX\5dx\IAS\FAMALGNM.DAT.
Checking tokens in file c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF.
Could not open c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF
Panel name = FAMILIES_ALL_RLV
NDF path   = C:\5DX\NDF\
RTF path   = C:\5DX\RTF\
IAS path   = C:\5DX\5dx\IAS\
CALIB path = C:\5DX\5dx\CALIB\
Deleting RTF Panel file c:\5dx\rtf\7OFD1JL\PANEL.RTF
Deleting Board RTF: c:\5dx\rtf\7OFD1JL\BOARD.RTF
Opening file = C:\5DX\5dx\IAS\FAMALGNM.DAT (Algorithm families)
Opening file = c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF (Algorithm versions)
Cannot open c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF
Using most recent version for all families.
Opening file = C:\5DX\5dx\IAS\XMAPMETH.DAT (Board Thickness Techniques)
Opening file = c:\5dx\ndf\7OFD1JL\ALGSLICE.NDF (Algorithms and slice heights)
Opening file = c:\5dx\ndf\7OFD1JL\PANEL.NDF (panel)
Board material identifier = 6337_Cu (default)
Panel rotation = 90
Stage speed = 2
Panel Dimensions:  dx = 5874,  dy = 11399,  dz = 81
WARNING:  illegal character . in board identifier 5064_8726.7_A
WARNING:  illegal character . in board identifier 5064_8726.7_B
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF (Fov data)
Default minimum margin = 0
Opening file = C:\5DX\5dx\CALIB\SCRNMAP.400 (Screen Distortion Map)
WARNING: Cannot open screen distortion map file C:\5DX\5dx\CALIB\
SCRNMAP.400
Will assume there is zero screen distortion for this FOV.
Opening file = C:\5DX\5dx\CALIB\SCRNMAP.650 (Screen Distortion Map)
WARNING: Cannot open screen distortion map file C:\5DX\5dx\CALIB\
SCRNMAP.650
Will assume there is zero screen distortion for this FOV.
Opening file = C:\5DX\5dx\CALIB\SCRNMAP.800 (Screen Distortion Map)
```

Page 1

FIG. 5A

113b

```
WARNING: Cannot open screen distortion map file C:\5DX\5dx\CALIB\
SCRNMAP.800
Will assume there is zero screen distortion for this FOV.
FOV bank 1:  xfov =  400.0,  yfov =  400.0
FOV bank 2:  xfov =  650.0,  yfov =  650.0
FOV bank 3:  xfov =  800.0,  yfov =  800.0
Number of board names = 2

Output board name = 5064_8726.7_A,180,BTM,5064_8726.7_B,270,0,0

About to process board = 5064_8726.7_B
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\CAMERA.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\SURFMAP.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\NOISERED.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JSAD8L\NOISERED.NDF
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\BOARD.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\FOV_DATA.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JSAD8L\FOV_DATA.NDF
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\COMPONEN.NDF (component)
Number of component names = 449
Number of package names = 13
There are 449 loaded components.
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\BOARD.NDF (board)
BOARD DIMENSIONS:  dx = 5874,  dy = 11399,  dz = 81
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\PACKAGE.NDF (package)
Number of pin names = 324
Number of pintype names = 20
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\LANDPAT.NDF (land pattern)
Checking for SM components
checking for SM pads
Opening file = c:\5dx\ndf\7OFD1JL\PADGEOM.NDF (pad geometry)
Checking for TH components
checking for TH pads

About to process board = 5064_8726.7_A
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\CAMERA.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\SURFMAP.NDF.
```


FIG. 5B

113c

```
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\NOISERED.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JRAC8K\NOISERED.NDF
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\COMPONEN.NDF (component)
Number of component names = 738
Number of package names = 51
There are 289 loaded components.
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF (board)
BOARD DIMENSIONS:  dx = 11399,  dy = 5874,  dz = 81
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\PACKAGE.NDF (package)
Number of pin names = 324
Number of pintype names = 20
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\LANDPAT.NDF (land pattern)
Checking for SM components
checking for SM pads
Opening file = c:\5dx\ndf\7OFD1JL\PADGEOM.NDF (pad geometry)
Checking for TH components
checking for TH pads
Removing existing board thickness file c:\5dx\rtf\7OFD1JL\1IRR58FO\
BRDTHICK.RTF
Setting pad orientations
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\BOARD.NDF (Board Alignment)
Align 1 is undefined.
Align 2 is undefined.
Align 3 is undefined.
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\CAMERA.NDF (camera index)
Default FG index = 1
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\NOISERED.NDF (noise reduction)
Default noise reduction count = 0
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\EXCLZONE.NDF (exclusion zone)
File c:\5dx\ndf\7OFD1JL\1JSAD8L\EXCLZONE.NDF does not exist.

Setting pad orientations
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF (Board Alignment)
```

Page 3

FIG. 5C

113d

```
Align 1 component/pin = U18    52
Align 2 component/pin = U10    40
Align 3 component/pin = U7    52
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\CAMERA.NDF (camera index)
Default FG index = 1
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\NOISERED.NDF (noise reduction)
Default noise reduction count = 0
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\EXCLZONE.NDF (exclusion zone)
File c:\5dx\ndf\7OFD1JL\1JRAC8K\EXCLZONE.NDF does not exist.

About to sort 449 components
About to sort 289 components
Opening file = c:\5dx\ndf\7OFD1JL\ALGSLICE.NDF (sliceHeights)
Creating max subtypes file = c:\5dx\rtf\7OFD1JL\1JRAC8K\ALGO_CFG.RTF
Making views.  Using PAD BASED MERGING.
Making views.  Using PAD BASED MERGING.
alignment view #1 : U18 (52) : U18 (53)
alignment view #2 : U10 (40) : U10 (41)
alignment view #3 : U7 (52) : U7 (53)
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF (Thickness Pads)
Sorting views into inspection path
   FOV index = 2, Resolution = 1024 pixels
about to sort 12 views.
number of untwist passes =   2
   FOV index = 3, Resolution = 1024 pixels
about to sort 208 views.
number of untwist passes =   5
Creating sorted joint xref file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SJN_XREF.RTF
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\SURFMAP.NDF (surface map)
Sorting views into inspection path
   FOV index = 1, Resolution = 512 pixels
about to sort 42 views.
number of untwist passes =   3
Number of surface map points = 42
number of lines = 861
Number of lines in array = 861
Done sorting lines
Number of lines in triangles = 114
Number of triangles = 73
```


FIG. 5D

113e

```
Triangle limit angle =  10.0 degrees
Number of processed triangles = 63
Creating slice algs file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SLICEALG.RTF
Creating algorithm file  = c:\5dx\rtf\7OFD1JL\1IRR58FO\ALGOLIST.RTF
Creating view heights file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SLICE_ZS.RTF
creating report file = c:\5dx\rtf\7OFD1JL\1IRR58FO\ALGO_RPT.RTF
creating view file    = c:\5dx\rtf\7OFD1JL\1IRR58FO\VIEWLIST.RTF
creating subview file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SUBVIEWS.RTF
creating joint file   = c:\5dx\rtf\7OFD1JL\1IRR58FO\JOINTLST.RTF
Writing file c:\5dx\rtf\7OFD1JL\1IRR58FO\DEV_LIST.RTF by component
Writing file c:\5dx\rtf\7OFD1JL\1IRR58FO\DEV_LIST.RTF by view
Attempting to open file = c:\5dx\rtf\7OFD1JL\BOARD.RTF
Creating surface map file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SURF_MAP.RTF
Creating fov cross reference file = c:\5dx\rtf\7OFD1JL\1IRR58FO\FOV_XREF.RTF
Setting RPTCAD Theta: Panel 90
Setting RPTCAD Theta: Board 180
Setting RPTCAD Theta: Final 270
Creating RPTCAD File: c:\5dx\rtf\7OFD1JL\1IRR58FO\RPTCAD.RTF

This is a DOUBLE sided board.

There are  169 views with 1 slice.
There are   51 views with 2 slices.

FOV      #Views   #Slices  #Joints
---      ------   -------  -------
650.0      12       12      416
800.0     208      259     4314
         ------   -------  -------
TOTAL     220      271     4730

Creating alignment joint file      = c:\5dx\rtf\7OFD1JL\ALIGNPAD.RTF
Creating alignment view file       = c:\5dx\rtf\7OFD1JL\ALIGNVEW.RTF
Creating alignment view index file = c:\5dx\rtf\7OFD1JL\MAT_INFO.RTF
Creating panel file = c:\5dx\rtf\7OFD1JL\PANEL.RTF
CADTRAN: done.  5 warnings. 0 Unused Surface Map Points.
```


FIG. 5E

EXPRESS MAIL NO. EV 339 955 145 US

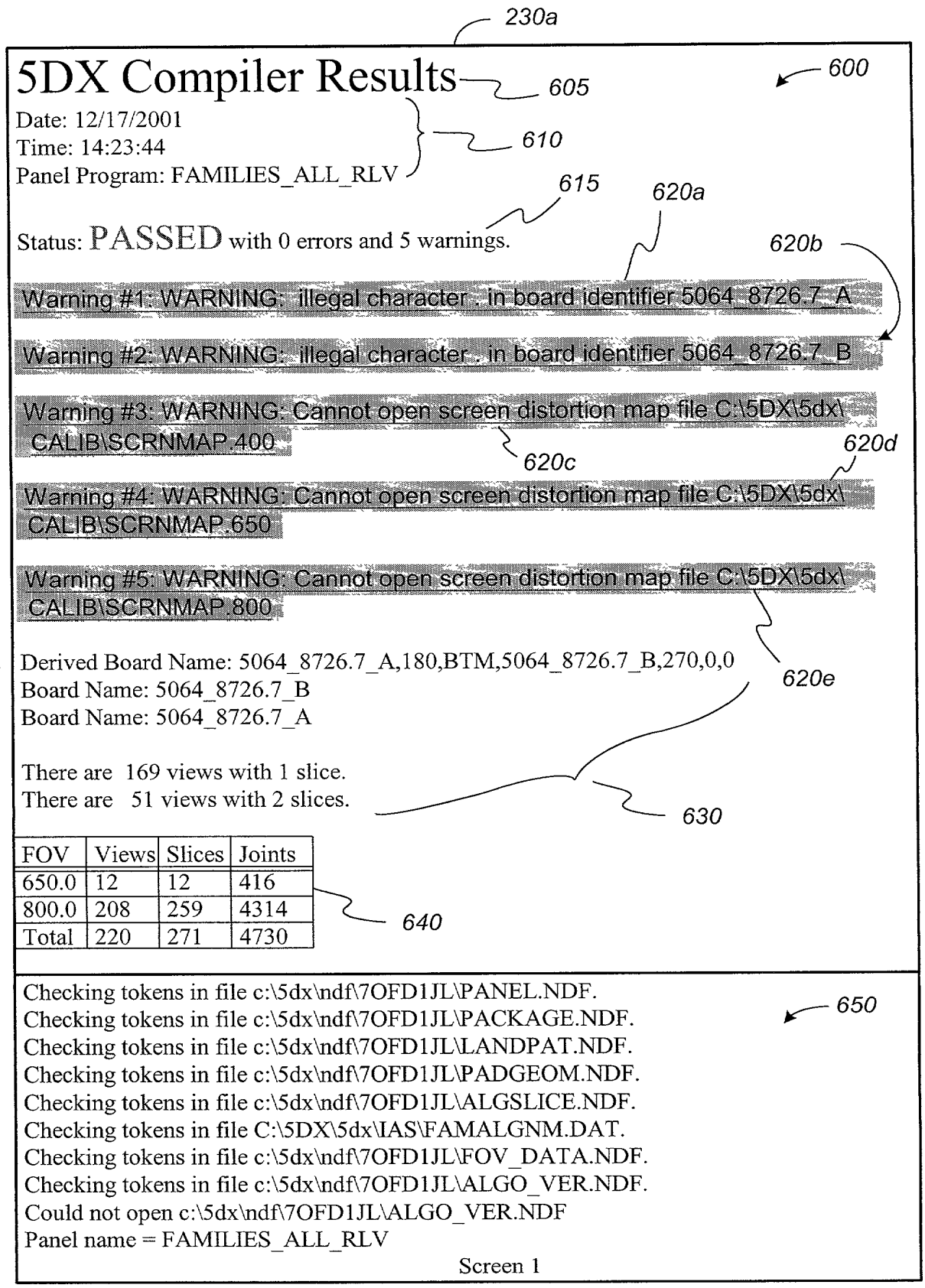
230a
5DX Compiler Results
605
600
Date: 12/17/2001
Time: 14:23:44
Panel Program: FAMILIES_ALL_RLV
610
615
620a
Status: PASSED with 0 errors and 5 warnings.
620b
Warning #1: WARNING: illegal character . in board identifier 5064_8726.7_A
Warning #2: WARNING: illegal character . in board identifier 5064_8726.7_B
Warning #3: WARNING: Cannot open screen distortion map file C:\5DX\5dx\CALIB\SCRNMAP.400
620c
620d
Warning #4: WARNING: Cannot open screen distortion map file C:\5DX\5dx\CALIB\SCRNMAP.650
Warning #5: WARNING: Cannot open screen distortion map file C:\5DX\5dx\CALIB\SCRNMAP.800
Derived Board Name: 5064_8726.7_A,180,BTM,5064_8726.7_B,270,0,0
Board Name: 5064_8726.7_B
Board Name: 5064_8726.7_A
620e
There are 169 views with 1 slice.
There are 51 views with 2 slices.
630
FOV | Views | Slices | Joints
650.0 | 12 | 12 | 416
800.0 | 208 | 259 | 4314
Total | 220 | 271 | 4730
640
Checking tokens in file c:\5dx\ndf\7OFD1JL\PANEL.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\PACKAGE.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\LANDPAT.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\PADGEOM.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\ALGSLICE.NDF.
Checking tokens in file C:\5DX\5dx\IAS\FAMALGNM.DAT.
Checking tokens in file c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF.
Could not open c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF
Panel name = FAMILIES_ALL_RLV
650
Screen 1

FIG. 6A

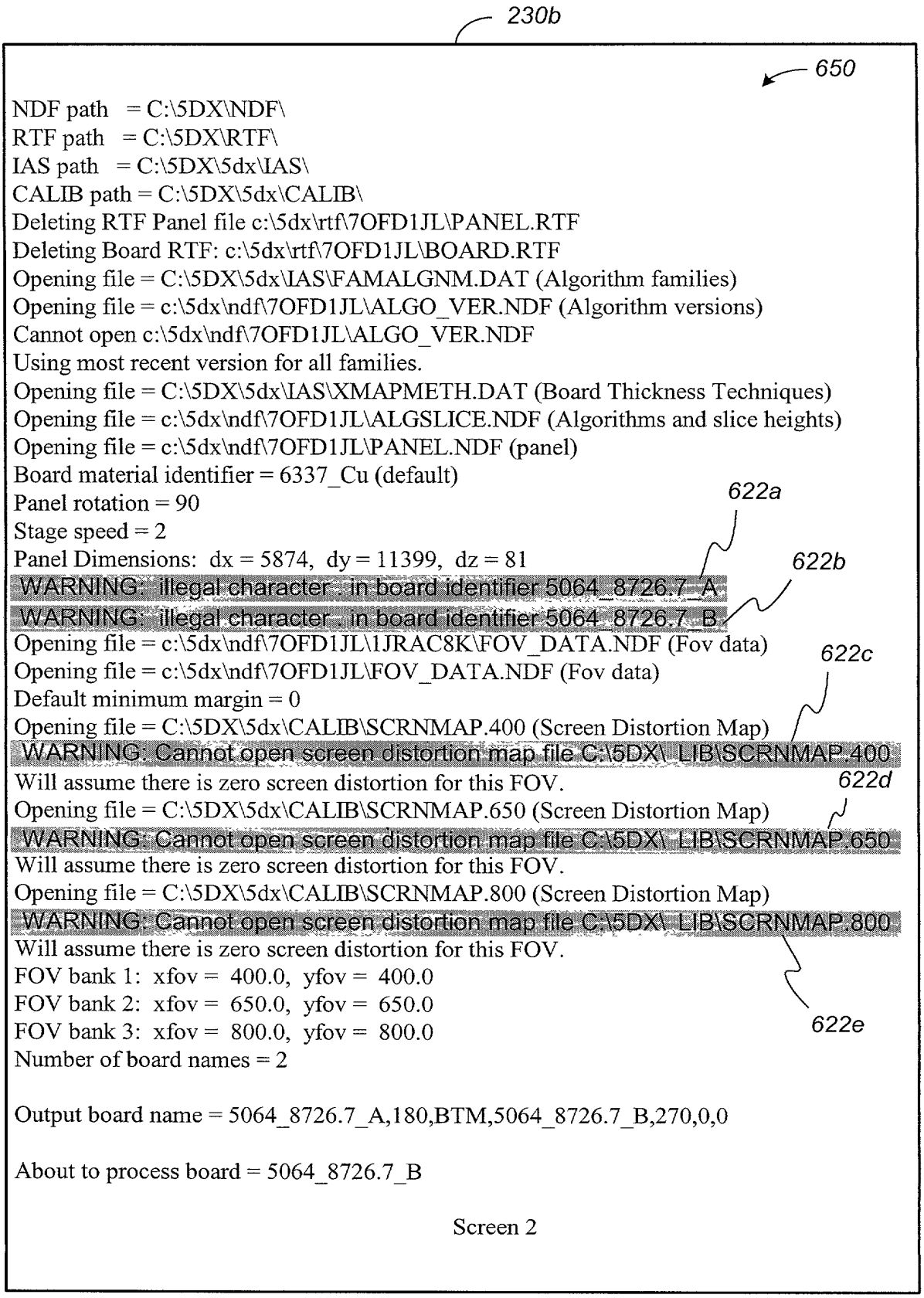
230b
650
NDF path = C:\5DX\NDF\
RTF path = C:\5DX\RTF\
IAS path = C:\5DX\5dx\IAS\
CALIB path = C:\5DX\5dx\CALIB\
Deleting RTF Panel file c:\5dx\rtf\7OFD1JL\PANEL.RTF
Deleting Board RTF: c:\5dx\rtf\7OFD1JL\BOARD.RTF
Opening file = C:\5DX\5dx\IAS\FAMALGNM.DAT (Algorithm families)
Opening file = c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF (Algorithm versions)
Cannot open c:\5dx\ndf\7OFD1JL\ALGO_VER.NDF
Using most recent version for all families.
Opening file = C:\5DX\5dx\IAS\XMAPMETH.DAT (Board Thickness Techniques)
Opening file = c:\5dx\ndf\7OFD1JL\ALGSLICE.NDF (Algorithms and slice heights)
Opening file = c:\5dx\ndf\7OFD1JL\PANEL.NDF (panel)
Board material identifier = 6337_Cu (default)
Panel rotation = 90
Stage speed = 2
Panel Dimensions: dx = 5874, dy = 11399, dz = 81
WARNING: illegal character . in board identifier 5064_8726.7_A
WARNING: illegal character . in board identifier 5064_8726.7_B
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF (Fov data)
Default minimum margin = 0
Opening file = C:\5DX\5dx\CALIB\SCRNMAP.400 (Screen Distortion Map)
WARNING: Cannot open screen distortion map file C:\5DX\ LIB\SCRNMAP.400
Will assume there is zero screen distortion for this FOV.
Opening file = C:\5DX\5dx\CALIB\SCRNMAP.650 (Screen Distortion Map)
WARNING: Cannot open screen distortion map file C:\5DX\ LIB\SCRNMAP.650
Will assume there is zero screen distortion for this FOV.
Opening file = C:\5DX\5dx\CALIB\SCRNMAP.800 (Screen Distortion Map)
WARNING: Cannot open screen distortion map file C:\5DX\ LIB\SCRNMAP.800
Will assume there is zero screen distortion for this FOV.
FOV bank 1: xfov = 400.0, yfov = 400.0
FOV bank 2: xfov = 650.0, yfov = 650.0
FOV bank 3: xfov = 800.0, yfov = 800.0
Number of board names = 2
Output board name = 5064_8726.7_A,180,BTM,5064_8726.7_B,270,0,0
About to process board = 5064_8726.7_B
Screen 2
622a
622b
622c
622d
622e

FIG. 6B

230c

650

Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\CAMERA.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\SURFMAP.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\NOISERED.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JSAD8L\NOISERED.NDF
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\BOARD.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JSAD8L\FOV_DATA.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JSAD8L\FOV_DATA.NDF
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\COMPONEN.NDF (component)
Number of component names = 449
Number of package names = 13
There are 449 loaded components.
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\BOARD.NDF (board)
BOARD DIMENSIONS: dx = 5874, dy = 11399, dz = 81
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\PACKAGE.NDF (package)
Number of pin names = 324
Number of pintype names = 20
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\LANDPAT.NDF (land pattern)
Checking for SM components
checking for SM pads
Opening file = c:\5dx\ndf\7OFD1JL\PADGEOM.NDF (pad geometry)
Checking for TH components
checking for TH pads

About to process board = 5064_8726.7_A
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\CAMERA.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\SURFMAP.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\NOISERED.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JRAC8K\NOISERED.NDF
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF.
Checking tokens in file c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF.
Could not open c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\COMPONEN.NDF (component)
Number of component names = 738
Number of package names = 51
There are 289 loaded components.
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF (board)
BOARD DIMENSIONS: dx = 11399, dy = 5874, dz = 81

Screen 3

FIG. 6C

230d

650

```
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\PACKAGE.NDF (package)
Number of pin names = 324
Number of pintype names = 20
Checking for SM components
Checking for TH components
Opening file = c:\5dx\ndf\7OFD1JL\LANDPAT.NDF (land pattern)
Checking for SM components
checking for SM pads
Opening file = c:\5dx\ndf\7OFD1JL\PADGEOM.NDF (pad geometry)
Checking for TH components
checking for TH pads
Removing existing board thickness file c:\5dx\rtf\7OFD1JL\1IRR58FO\BRDTHICK.RTF
Setting pad orientations
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\BOARD.NDF (Board Alignment)
Align 1 is undefined.
Align 2 is undefined.
Align 3 is undefined.
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\CAMERA.NDF (camera index)
Default FG index = 1
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\NOISERED.NDF (noise reduction)
Default noise reduction count = 0
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\EXCLZONE.NDF (exclusion zone)
File c:\5dx\ndf\7OFD1JL\1JSAD8L\EXCLZONE.NDF does not exist.

Setting pad orientations
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF (Board Alignment)
Align 1 component/pin = U18    52
Align 2 component/pin = U10    40
Align 3 component/pin = U7     52
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\FOV_DATA.NDF (Fov data)
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\CAMERA.NDF (camera index)
Default FG index = 1
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\NOISERED.NDF (noise reduction)
Default noise reduction count = 0
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\EXCLZONE.NDF (exclusion zone)
File c:\5dx\ndf\7OFD1JL\1JRAC8K\EXCLZONE.NDF does not exist.
```

Screen 4

FIG. 6D

230e

650

About to sort 449 components
About to sort 289 components
Opening file = c:\5dx\ndf\7OFD1JL\ALGSLICE.NDF (sliceHeights)
Creating max subtypes file = c:\5dx\rtf\7OFD1JL\1JRAC8K\ALGO_CFG.RTF
Making views. Using PAD BASED MERGING.
Making views. Using PAD BASED MERGING.
alignment view #1 : U18 (52) : U18 (53)
alignment view #2 : U10 (40) : U10 (41)
alignment view #3 : U7 (52) : U7 (53)
Opening file = c:\5dx\ndf\7OFD1JL\1JRAC8K\BOARD.NDF (Thickness Pads)
Sorting views into inspection path
FOV index = 2, Resolution = 1024 pixels
about to sort 12 views.
number of untwist passes = 2
FOV index = 3, Resolution = 1024 pixels
about to sort 208 views.
number of untwist passes = 5
Creating sorted joint xref file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SJN_XREF.RTF
Opening file = c:\5dx\ndf\7OFD1JL\1JSAD8L\SURFMAP.NDF (surface map)
Sorting views into inspection path
FOV index = 1, Resolution = 512 pixels
about to sort 42 views.
number of untwist passes = 3
Number of surface map points = 42
number of lines = 861
Number of lines in array = 861
Done sorting lines
Number of lines in triangles = 114
Number of triangles = 73
Triangle limit angle = 10.0 degrees
Number of processed triangles = 63
Creating slice algs file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SLICEALG.RTF
Creating algorithm file = c:\5dx\rtf\7OFD1JL\1IRR58FO\ALGOLIST.RTF
Creating view heights file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SLICE_ZS.RTF
creating report file = c:\5dx\rtf\7OFD1JL\1IRR58FO\ALGO_RPT.RTF
creating view file = c:\5dx\rtf\7OFD1JL\1IRR58FO\VIEWLIST.RTF
creating subview file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SUBVIEWS.RTF
creating joint file = c:\5dx\rtf\7OFD1JL\1IRR58FO\JOINTLST.RTF
Writing file c:\5dx\rtf\7OFD1JL\1IRR58FO\DEV_LIST.RTF by component
Writing file c:\5dx\rtf\7OFD1JL\1IRR58FO\DEV_LIST.RTF by view
Attempting to open file = c:\5dx\rtf\7OFD1JL\BOARD.RTF
Creating surface map file = c:\5dx\rtf\7OFD1JL\1IRR58FO\SURF_MAP.RTF

Screen 5

FIG. 6E

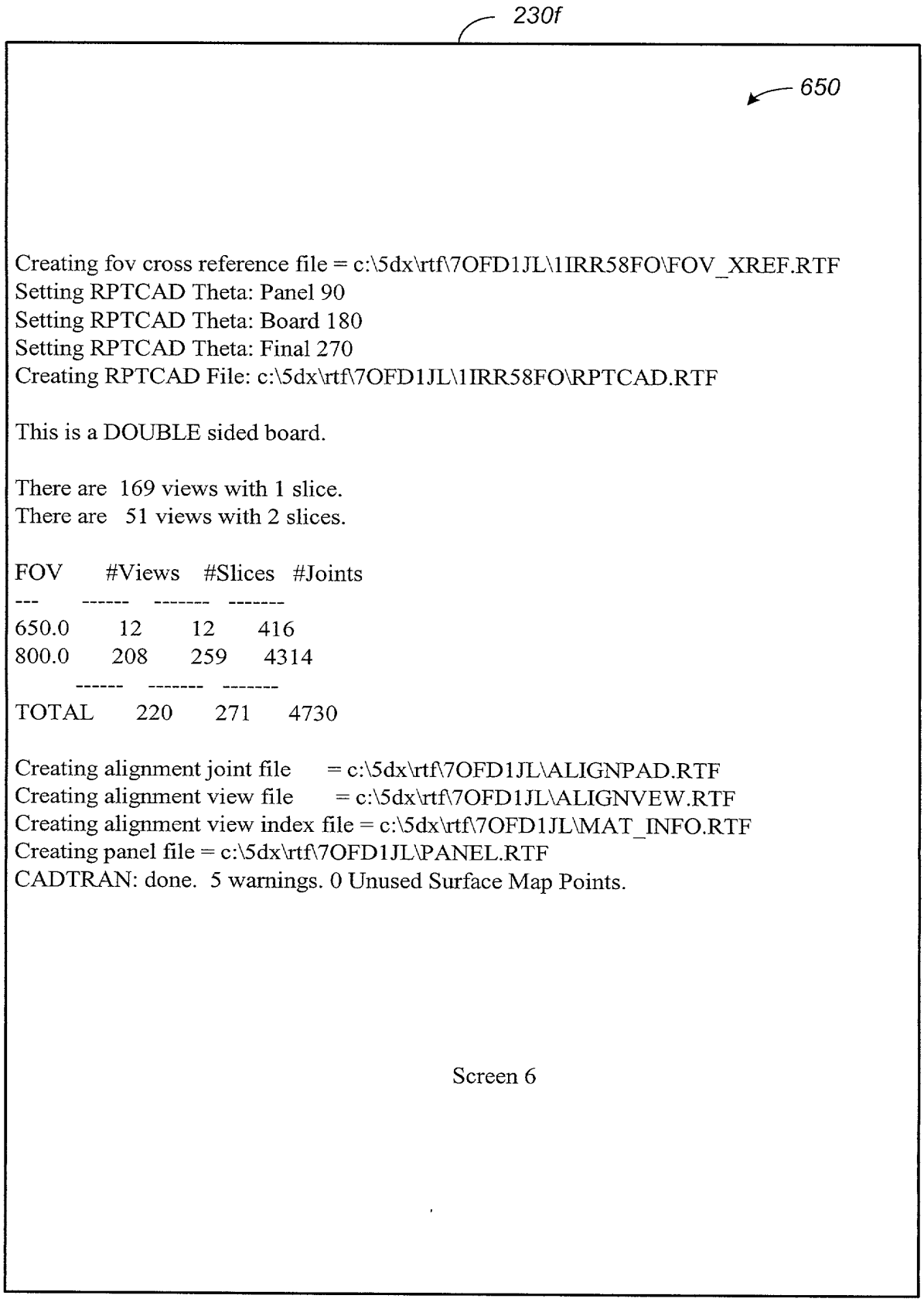
230f
650
Creating fov cross reference file = c:\5dx\rtf\7OFD1JL\1IRR58FO\FOV_XREF.RTF
Setting RPTCAD Theta: Panel 90
Setting RPTCAD Theta: Board 180
Setting RPTCAD Theta: Final 270
Creating RPTCAD File: c:\5dx\rtf\7OFD1JL\1IRR58FO\RPTCAD.RTF
This is a DOUBLE sided board.
There are 169 views with 1 slice.
There are 51 views with 2 slices.
FOV #Views #Slices #Joints
650.0 12 12 416
800.0 208 259 4314
TOTAL 220 271 4730
Creating alignment joint file = c:\5dx\rtf\7OFD1JL\ALIGNPAD.RTF
Creating alignment view file = c:\5dx\rtf\7OFD1JL\ALIGNVEW.RTF
Creating alignment view index file = c:\5dx\rtf\7OFD1JL\MAT_INFO.RTF
Creating panel file = c:\5dx\rtf\7OFD1JL\PANEL.RTF
CADTRAN: done. 5 warnings. 0 Unused Surface Map Points.
Screen 6

FIG. 6F

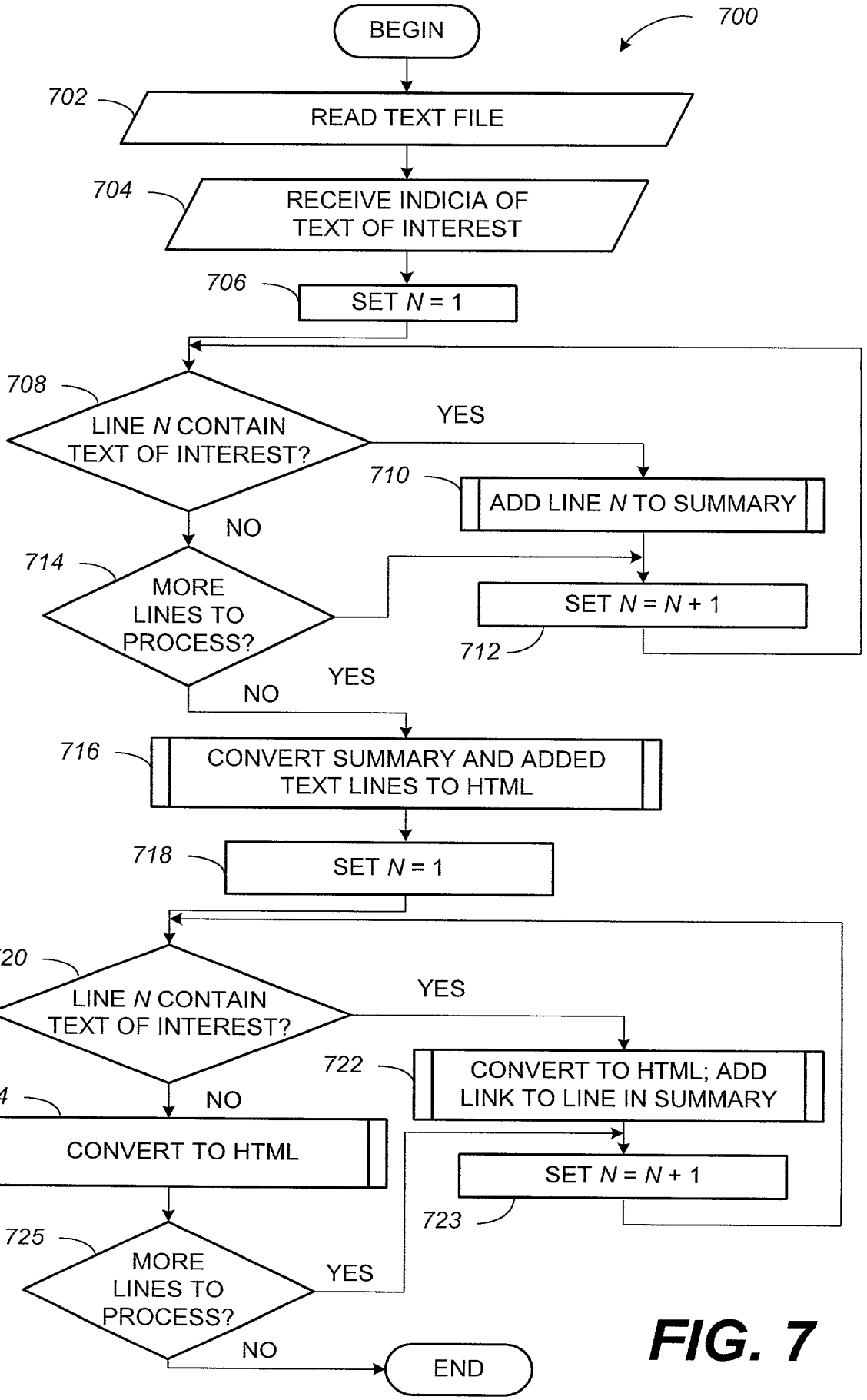
700
BEGIN
702
READ TEXT FILE
704
RECEIVE INDICIA OF TEXT OF INTEREST
706
SET N = 1
708
LINE N CONTAIN TEXT OF INTEREST?
YES
710
ADD LINE N TO SUMMARY
NO
714
MORE LINES TO PROCESS?
SET N = N + 1
712
YES
NO
716
CONVERT SUMMARY AND ADDED TEXT LINES TO HTML
718
SET N = 1
720
LINE N CONTAIN TEXT OF INTEREST?
YES
722
CONVERT TO HTML; ADD LINK TO LINE IN SUMMARY
724
NO
CONVERT TO HTML
SET N = N + 1
723
725
MORE LINES TO PROCESS?
YES
NO
END

FIG. 7